

USSN 09/718,803  
Response and Amendment

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application. Entry of the amendments of the claims is respectfully requested.

1. (currently amended) A method of forming a reversible peptide-receptor complex comprising:  
providing an immobilized GHS-R receptor; and  
contacting the receptor with a peptide, wherein the peptide comprises residues 24 to 37 of SEQ ID NO: 2;  
and whereby the receptor binds the peptide.
2. (canceled)
3. (currently amended) The method of claim 2 1, wherein the GHS-R is expressed in tissue selected from the group consisting of:
  - a. stomach;
  - b. lung;
  - c. pituitary;
  - d. hypothalamus;
  - e. hippocampus;
  - f. kidney;
  - g. duodenum;
  - h. jejunum;
  - i. small intestine;
  - j. skeletal muscle, and
  - k. pancreas.
4. (currently amended) The method of claim 2 1, wherein the receptor comprises residues 41 to 326 of SEQ ID NO: 5.
5. (currently amended) The method of ~~claim 4~~ claim 1, wherein the receptor comprises residues 1 to 366 of SEQ ID NO: 5.

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6. (original) The method of claim 1, whereby the receptor is immobilized on a cell membrane.
7. (currently amended) A method of purifying cells comprising:  
immobilizing a peptide comprising residues 24 to 37 of SEQ ID NO: 2, and  
contacting the peptide with cells expressing a GHS-R receptor, whereby the  
peptide binds the receptor and forms a peptide-receptor complex;  
and whereby the cells are purified.
8. (canceled).
9. (currently amended) The method of purifying cells according to claim 8 7,  
wherein the receptor comprises residues 41 to 326 of SEQ ID NO: 5.
10. (original) A method of purifying a peptide comprising:  
immobilizing cells expressing a receptor, wherein the receptor comprises residues  
41 to 326 of SEQ ID NO: 5;  
contacting the immobilized cells with solutions containing a peptide, wherein the  
peptide comprises residues 24 to 37 of SEQ ID NO: 2; and  
forming the peptide-receptor complex;  
and whereby the peptide is purified.

Claims 11-26 (canceled).